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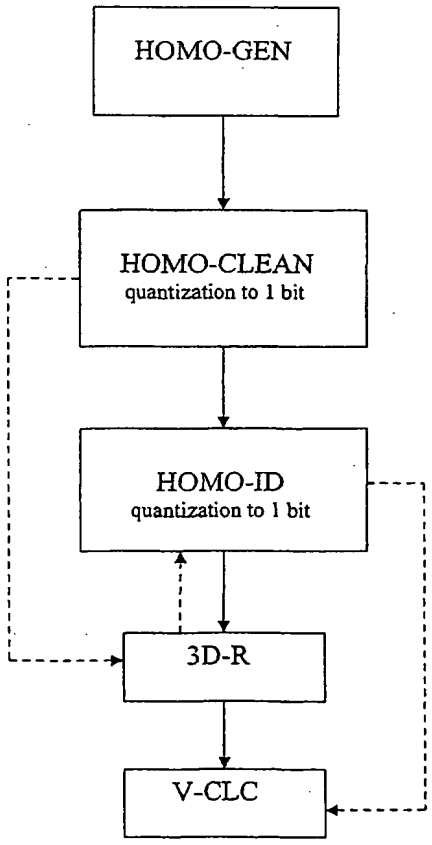
(54) Title: METHOD AND APPARATUS FOR ANALYZING BIOLOGICAL TISSUE IMAGES



(57) Abstract: The present invention relates to a method and an apparatus for processing images of biological tissues, in particular of human or animal origin. The metric quantification of a biological body part or tissue or of an abnormal material spot or aggregate contained therein is also performed. The invention is applied in particular to the Computed Axial Tomography technique. In particular, the present invention comprises the following steps: 1a) dividing the image into boxes of different size iteratively; (2a) calculating for each quadrant at each division scale the relative dispersion (RD) obtained as the Standard Deviation divided by the mean value of the pixels, in order to associate to each quadrant a set of values of RD; (3a) generating a homogeneity map as a grey scale image, each point's brightness being given by the mean of the set of values of RD for each quadrant, wherein the image's regions having higher brightness correspond to homogeneous regions.

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